WORKSHE	ET W-4 2005	WATER RIGHT/PERMIT/ BMP Farm Unit NO.
DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds Measurement (Specify Units) (Gals/Min) for 10 Revs
TYPE OF MEASURING DEVICE  SIZE	MAKE/MODEL  INSTALLATION OR OVERHAUL DATE	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED TOTALS
POWER OF HAVE	ACCOUNT NO.   ELECTRIC METER NO.	7 AVERAGE DISCHARGE FACTOR B AVERAGE SECONDS FACTOR C
3		9 DIVIDER = 19550 X
Kr Kh	5 FACTOR A = = Kr x Kh	11 WATER WITHDRAWN = $\frac{BOX  10}{BOX  9} = \frac{ACRE FEET}{ACRE FEET}$
DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
TYPE OF MEASURING DEVICE  SIZE	MAKE/MODEL  INSTALLATION OR OVERHAUL DATE	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED
SIZE	INSTALLATION OR OVERHAUL DATE	7 AVERAGE DISCHARGE FACTOR B AVERAGE SECONDS FACTOR C
POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 B X C =
Kr Kh	5 FACTOR A = = Kr x Kh	$\frac{\textbf{11}}{\textbf{WATER WITHDRAWN}} = \frac{\frac{\textbf{BOX}}{10}}{\frac{\textbf{9}}{\textbf{9}}} = \frac{\textbf{ACRE FEET}}{\textbf{ACRE FEET}}$
DWR WELL REGISTRATION NO.	10 40 160 LOCATION Q Q Q Sec Twn Rng	Date of Head or Stage Discharge Number of Seconds (Specify Units) (Gals/Min) for 10 Revs
TYPE OF MEASURING DEVICE  SIZE	MAKE/MODEL  INSTALLATION OR OVERHAUL DATE	A MINIMUM OF TWO MEASURE - TOTALS MENTS IS REQUIRED
POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	7 AVERAGE DISCHARGE FACTOR B SECONDS FACTOR C
4 Kr Kh	5 FACTOR A = = Kr x Kh	9 DIVIDER = 19550 X
DWR WELL REGISTRATION NO.	10 40 160 LOCATION	ACRE FEET  Date of Head or Stage Displaces Number of Seconds
1 DWR WELL REGISTRATION NO.	Q Q Q Sec Twn Rng	Measurement (Specify Units) (Gals/Min) for 10 Revs
TYPE OF MEASURING DEVICE  SIZE	MAKE/MODEL	A MINIMUM OF TWO MEASURE - MENTS IS REQUIRED
	INSTALLATION OR OVERHAUL DATE	7 AVERAGE B AVERAGE SECONDS FACTOR C
POWER CO. NAME	ACCOUNT NO. ELECTRIC METER NO.	9 DIVIDER = 19550 X A X 10 B X C = 10 ENERGY CONSUMPTION Kw hrs
Kr Kh	5 FACTOR A = = Kr x Kh	MATER WITHDRAWN = $\frac{BOX  \boxed{10}}{BOX  \boxed{9}} = {ACRE \text{ FEET}}$

## **WORKSHEET W-4**

Note: 1) This method cannot be used when energy meter serves other uses.

2) If you are using one of the new digital power meters, call your local AMA office for further instructions.

## OPEN CHANNEL FLOW WITH PUMPAGE CALCULATED USING FLECTRICAL ENERGY RECORDS

			LEECTRICAL ENERGY RECORDS		
INS	STRUCTI	ONS			
	: If any informa	ation pr	re-printed on this form is incorrect, please make the needed corrections. not already preprinted on this form, please follow the directions below.		
1.	Enter DWR w	vell regi	stration number and location in 1.		
2.	If the meter hused to meas		een changed during the reporting year, enter type, make, model and size of measuring device discharge in 2. If the device is permanent, enter date installed or last overhauled.		
3.	Enter power of	compar	ny name, account number and meter number in 3.		
4.	For some pur Kr is not used company to d	r Kr and Kh from electric meter in 4. The Kr is the multiplier factor indicated on the power bill. ome pump motors, which are 200 amps or less, the electric meter may be "self-contained" and the not used in computing Factor A (Kh=Factor A). Contact the metering department of your electric pany to determine if your electric meter is self-contained, if you are not sure. The Kh is the disk constant is located on the faceplate of the electric meter.			
5.	Compute Fac	ctor A b	y multiplying Kr by Kh. Enter in 5.		
6.	Enter date of measurement, head or stage recording* of the open channel flow, pump discharge, and the number of seconds it takes to turn the electric meter disk 10 revolutions, for each measurement taken in A minimum of two measurements are required. These measurements should be taken during the spring and in late summer if possible. Measuring more often produces more accurate results. It is desirable to operate the pump at least 24 hours before measuring the discharge.  * For submerged conditions, provide the values obtained for both upstream and downstream heads.				
		_	ir Rule is used, provide height of orifice (Ho) and A scale and B Scale readings.		
7.	Add the values in the pump discharge column and divide by the number of entries to obtain the average discharge which is designated as Factor B. Enter in 7.				
8.	Repeat the same procedure for the number of seconds column to obtain the average seconds which is designated as Factor C. Enter in 8.				
9.	Enter Factor A, Factor B, and Factor C in the formula provided. Complete the calculation as shown to obtain the divider. Enter in 9.				
10.	bills. If you o	btain th	y consumption. This amount may be obtained from your electric energy is information by reading your meter, be sure to adjust the reading by the your bill. Enter in 10.		
11.			gy consumption entered in 10 by the value computed in 9 to obtain the n by the well. Enter in 11.		
ENT	ER THE FO	LLOV	VING ON SCHEDULE A		
	RKSHEET \		SCHEDULE A		
	ox 1		DWR well registration number & location in column 2 if not already shown.		
	ox 3		Power company name, account number, and meter number in column 3.		
	ox 8		Average discharge in column 7.		
В	ox 9		Divider in column 8.		
В	ox 10		Energy consumption in column 6.		
R	ov 11		Water withdrawn in column 9		

NOTE: THIS WORKSHEET MUST BE SUBMITTED WITH SCHEDULE A.